



US009999722B2

(12) **United States Patent**
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(10) **Patent No.:** **US 9,999,722 B2**
(45) **Date of Patent:** **Jun. 19, 2018**

(54) **PORTABLE MEDICAL FLUID DELIVERY
DEVICE WITH DRIVE SCREW
ARTICULATED WITH RESERVOIR
PLUNGER**

(58) **Field of Classification Search**

CPC A61M 5/14248; A61M 2005/14268; A61M
5/142; A61M 5/145; A61M 5/1456;
(Continued)

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(*) Notice: Subject to any disclaimer, the term of this
patent is extended or adjusted under 35
U.S.C. 154(b) by 0 days. days.

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(21) Appl. No.: **13/142,912**

(22) PCT Filed: **Dec. 30, 2009**

(86) PCT No.: **PCT/IL2009/001227**

§ 371 (c)(1),
(2), (4) Date: **Oct. 4, 2011**

(87) PCT Pub. No.: **WO2010/076792**

PCT Pub. Date: **Jul. 8, 2010**

(65) **Prior Publication Data**

US 2012/0022453 A1 Jan. 26, 2012

Related U.S. Application Data

(60) Provisional application No. 61/166,816, filed on Apr.
6, 2009, provisional application No. 61/141,803, filed
on Dec. 31, 2008.

(51) **Int. Cl.**

A61M 5/145 (2006.01)

A61M 5/142 (2006.01)

(Continued)

(52) **U.S. Cl.**

CPC **A61M 5/1456** (2013.01); **A61M 5/142**
(2013.01); **A61M 5/145** (2013.01);
(Continued)

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(57)

ABSTRACT

A device for delivering fluid into the body is provided. The device may comprise a reservoir including at least one wall for retaining fluid and a plunger (400), wherein the plunger is articulated with a drive screw (300) having a distal end (304) that rotates within the plunger and displaces the plunger in a linear direction. The device may further comprise a reusable part having a motor, one or more gears and a receiving portion, and also a disposable part having a reservoir, a plunger and a drive screw having a proximal end capable of engaging with the receiving portion upon connecting the reusable part and the disposable part

21 Claims, 12 Drawing Sheets

